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Technical Note 16.

August 15, 1940.

VOLUME TABLE 1/
for
Northern RED OAK
(Quercus borealis)
Stark County, Ohio

Merchantable Stem to a Variable Top Diameter   INTERNATIONAL Rule ($\frac{1}{4}$" Kerf)

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Number
10	20	54	95				5
11	23	64	110				8
12	27	74	123	191			10
13		84	137	215			4
14		94	152	238			-
15		105	167	259			-
16			182	281	378		-
17			198	302	406	515	-
18			215	322	436	550	1
19			230	338	455	583	4
20			248	365	490	622	9
21			265	389	522	664	7
22			281	412	555	703	2
23			301	443	594	755	1
24			324	475	638	811	1
25			351	515	692	879	-
26			383	562	755	959	-
27			420	617	828	1052	-
28			465	682	916	1155	1
29			507	745	1000	1271	3
30			556	817	1096	1400	6
31			607	891	1197	1532	5
32				980	1305	1671	2
33				1067	1432	1833	2
34				1164	1555	1991	2
35				1259	1690	2148	3
36				1365	1832	2328	1
Basis in trees-- number	1	13	16	13	22	12	77

1/ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "The Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared in 1940, by the equation method. Coefficient of multiple correlation (R) = 0.986. Standard error of estimate, 82 to 122 percent. Block shows limits of basic data.

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